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## (54) DISPLAY DEVICE FOR TIME-SEQUENTIALLY PROCESSED IMAGE

## (57)Abstract:

PURPOSE: To improve diagnostic accuracy and diagnostic efficiency for a medical radiograph by superimposing a time-sequentially processed image, of which the changed part with the passage of time is selectively emphasized, on a source image showing a structural part that is not changed.

CONSTITUTION: The source image stored in a storage device and the time- sequentially processed image

corresponding to the source image are added and the added image is displayed. This time sequential

processing is differential processing between time

sequential images, for example, the image selectively

emphasizing the changed part with the lapses of time can be provided by canceling normal structural shadow with

no change by this differential processing and further, the position relation or the sizes of the changed part with the lapses of time and the structural part with no change with the lapses of

time can be clearly presented by adding the source image (the time sequential image as the base of a differential image) to this differential image. Therefore, the time sequential changed

part of an object can be presented to a reader based on the time sequential image clearly while clearly showing the position relation with the structural part with no change with the



lapes of time.

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